surface of each waterfall being only about 2 feet below the road. We noticed a number of small fish endeavouring to jump up through the sluices in their efforts to get upstream, many of them missing the sluices, which were about two feet wide, and striking the masonry at the side. We sat down on the edge of the causeway to watch them and then noticed a few big fish of several pounds weight moving in the water below, but these did not then appear to be making any efforts to surmount the waterfalls. One fish of about half a pound, however, actually struck the ankles of one of the party in his jump. Shortly afterwards a fine fish of 8 lbs. weight jumped clean on to the causeway and was secured after an exciting moment or so with the aid of the coat of one of the members of the party! He proved to be a fine specimen of "Labeo fimorriatus,' and I give the measurements and particulars below as he appears to be of unusual size according to 'Day' (F. B. I., Fishes, Vol. I, p. 258) who states that this fish only grows as a rule up to a foot and a half in length.

Weight 8 lbs ; length $27^{\prime \prime}$; girth $17 \overline{2}_{2}^{\prime \prime}$; head $4_{4}^{1 \prime \prime}$; tail $6^{\prime \prime}$;
Scales. Lateral Line $44 ; 6$ rows between L. 1. and Ventral fin.
Dorsal fin 20 spines; anal 7; caudal 19;
2 small barbels on upper lip and 2 very minute on snout. Tail deeply forked, and the soft pad of the snout was spotted with small globules or pores.

I do not think there can be any doubt as to the fish being a specimen of Labeo fimbriatus as this is the only Labeo known in these parts having more than 15 spines in the dorsal fin or more than 40 scales in the Lateral line.

## W. B. TREVENEN.

Poona, Septemier 3rd, 1923.

## No. XIX.-A NOTE ON SOME DISCREPANCIES IN FAUNA OF BRITISH INDIA, BUTTERFLIES.

When engaged in rearranging the collections of the Rhopalocera in the Forest Research Institute obtained from the following sources:-
Mr. P. Mackinnon (Mussoorie), Major Burn (Burma and Assam), Mr. A. E. Osmaston, I.F.S. (Naini Tal and Kumaon). Mr. T. R. D. Bell, I.F.S. (Karwar, Bombay) and Mr. O. C. Ollenbach (Dehra Dun).

The work by Col. Bingham was largely used, and I have noticed that the keys to the genera do not tally in all cases with the characters given for the species belonging thereto, as will be seen below:-

Keys as given in Fauna of British India. Characters actually found.

$$
\text { Vol. } 1 .
$$

Satyrine, p. 49.
62 Yypthima.
Vs. 10 and 11 of forewing not free;
In Y. huebneri, Y. indica,
Y. asterope, and Y. nareda vein

11 Starts from cell, veins 8-10 branching from V. 7.
In Y. sakra VII and V. 7 spring from upper apex of cell.

Nymphalinet, p. 20.
B- $a$ cell of both fore and hind wing In some specimens of Cyrestis nivea closed. cells are not closed.
Dophla, p. 205.
B-a5 Hindwing, veins 3 and 4 from In Dopkla patala veins 3 and 4 stalked lower apex of cell. and not from lower apex of vell.
b4 Forewing, veins" 3 and 4 from lower
apex of cell.

Auzakia, p. 205.
b5 Hindwing, veins 3 and 4 stalked Forewing veins 3 and 4 in some of branching beyond lower apex of cell. examples of Auzakia danava stalked. Hindwing, veins 3 and 4 not stalked in some examples of $A$. danava and constantly non-stalked in Cyrestis cocles, and Kallima sp.
P. 206.

B-b-b'-a4-Eyes hairy....Liminitis. In Liminitis trivena eyes are not hairy.*
Junonia, p. 207 B.d.
Cell of both fore and hind wing open In some examples of $J$. atlites and $J$. iphita cell of forewing closed.
Sephisa, p. 207, B-d-b1
Forewing, vein 10 out of 7, not In Sephisa chandra vein 10 comes out free. Vol. II. of the sub-costal.
Papilio, p. 11.
A--b-a3.
No conspicuous blue or green col- The forewing of Papilio telarchus ouring or markings on upper is richly glossed with blue. side of wings.
Pieridate, p. 136.
A-B-a6 Hindwing : precostal vein pre- Precostal vein in Catopsilia very sent. rudimentary or absent.
Terias, p. 137.
b6. Hindwing: precostal vein ab- In Terias it is less prominent, but sent. not wholly absent.
Gonopteryx p. 137.
A. 7. Hindwing, termen more or less Hindwing, termen.........angulated acutely angulated at apex of vein 4.. at apex of vein 3 .
(This is probably a printer's error.)
Colias, p. 137.
b5. Forewing : vein 10 emitted Forewing vein 10 in some examples of from vein 7 .

Colias glycia starts from cell.
Lycenine, p. 305.
A-a. Forewing : vein 11 anasto- Forewing V. 7 not anastomosed with mosed with V. 12.
Castalius, p. 307.
B. b2-eyes not hairy. V. 12 in Zizera.

In C. ethion, C. roxus, and C. decida eyes are covered with fine hairs.
B al-Veins 11 and12 anastomosed. Veins 11 and 12 not anastomosed in Tarucus.
It will be seen that it is in the neuration that the anomalies chiefly exist, and in this connection attention may be drawn to the paper by Nathan Banks in the May number of the "Canadian Entomologist " of 1922 on the venational variation in Raphdia. He also notes that the wings were found in some cases to be asymetrical in neuration and similar asymetry has been noticed in some examples of Rhopalocera that have been examined by me.
Forest Research Institute, Dehra Dun, March 1923.

S. N. Chatterjee,<br>Assistant to Systematic Entomologist.

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[^0]:    * In the specific table on p. 294 Col. Bingham states that L. trivena and. L. ligyes have non hairy eyes, The latter species has not been seen by me.

